



Meinberg Radio Clocks

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DOAL: DCF77 Optical Antenna Link

DCF77 Optical Antenna Link

The Meinberg DOAL is a DCF77 Optical Antenna Link used to connect a Meinberg DCF77 antenna to a Meinberg DCF77 receiver using a single optical multimode fiber.

Key Features

- large antenna cable distances (up to 2000mtrs.)
- no destructive overvoltage via the antenna cable
- no unintentional monitoring possible via optical fiber

Description

The **DOAL/A** module mounts indoors, and connects to a Meinberg DCF antenna (AI01, AW02 or AK03) with a short coaxial cable. The **DOAL/R** module connects to the receiver's antenna input either directly or with a patch cable. Both modules are linked to each other by a single GI50/125

Characteristics

Type of Antenna	Input for a Meinberg DCF77 antenna (77,5 kHz) via coaxial cable
Optical Outputs	ST connector for GI 50/125µm or GI 62,5/125µm gradient fibre, Wave length: 850nm, Launchable optical output power: typ. 15µW (into GI 62,5/125µm), Optical input level: min. 3µW
Electrical Connectors	optical ST connector female BNC Power Supply (DOAL/A only)
Operating Voltage	DOAL/A: 100 - 240VAC / 50/60Hz, 100 - 240VDC optional: 18 - 72VDC power consumption: 5W max.
Form Factor	DOAL/A: black eloxadized aluminium housing, with aluminium front and rear panel DOAL/R: aluminium HF housing protection class: IP30
Physical Dimensions	DOAL/A: 44mm x 105mm x 165mm (height x width x depth) DOAL/R: 25mm x 25mm x 95mm (height x width x depth)
Supported Temperature	-25 ... 65° C
Supported Humidity	Max. 85 % (non-condensing) at 40 °C
Warranty	Three-year warranty
RoHS Status of Product	This product is fully RoHS-compliant.
WEEE Status of Product	This product is handled as a B2B (Business to Business) category product. To ensure that the product is disposed of in a WEEE-compliant fashion, it can be returned to the manufacturer. Any transportation expenses for returning this product (at end-of-life) must be covered by the end user, while Meinberg will bear the costs for the waste disposal itself.

Manual

The English manual is available as a PDF file: [1][Download \(PDF\)](https://www.meinbergglobal.com/download/docs/manuals/english/doal.pdf)

Links:

[1] <https://www.meinbergglobal.com/download/docs/manuals/english/doal.pdf>